

ABSTRACT OF THE DISCLOSURE

The invention relates to a method for producing UV polarizers, according to which spheroid particles situated near the surface of the glass are incorporated into the support material (primarily standard float glass) in a novel arrangement. According to the method for producing UV polarizers, after the introduction of metal ions (e.g., silver ions) into the glass surface, a large size distribution of particles is achieved by multiple alternation of a heat treatment for separating out spherical metal particles, followed by the renewed introduction of metal ions and a subsequent heat treatment. A deformation of the glass produces spheroid particles of various sizes and different semi-axis relationships. The particles are characterized by their large size distribution and are deformed differently in relation to their spheroid shape. In this way UV polarizers are produced which have a wide absorption range since the absorption bands having different maximum positions overlap.